

a first concave mirror which passes selectively output light generated by said light source according to a wavelength;

a gain crystal having a garnet crystal structure, which is pumped up by the light that has passed said first concave mirror;

a cavity having said gain crystal as a main element thereof; and

a lens which is tilted from a line of transmitted direction of the pump light in order that laser operation in said cavity is Kerr-lens mode locked.

18. (New) A solid-state laser according to claim 17, said cavity further comprising:

second and third concave mirrors which are arranged to focus the light oscillated in said cavity in said gain crystal;

an end mirror which reflects the light oscillated in said cavity; and

an output mirror which passes a part of the light oscillated in said cavity as output laser light.

19. (New) A solid-state laser according to claim 17, said cavity further comprising:

a means for compensating for a dispersion which is generated in said gain crystal.

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20. (New) A solid-state laser according to claim 19,  
said cavity comprising:

second and third concave mirrors which are arranged to  
focus the light oscillated in said cavity in said gain  
crystal;

a means for compensating for a dispersion which is  
generated in said gain crystal;

an end mirror which reflects the light oscillated in said  
cavity; and

an output mirror which passes a part of the light  
oscillated in said cavity as output laser light.

21. (New) A solid-state laser according to claim 20,  
wherein said compensating means is a pair of prisms.

22. (New) A solid-state laser according to claim 19,  
said cavity further comprising:

a second concave mirror which is arranged to focus the  
light oscillated in said cavity in said gain crystal; and

a prism for compensating for a dispersion which is  
generated in said gain crystal.

23. (New) A solid-state laser according to claim 17,  
said cavity comprising:

second and third concave mirrors which are arranged to focus the light oscillated in said cavity in said gain crystal;

a means for compensating for a dispersion which is generated in said gain crystal; and

an output mirror which passes a part of the light oscillated in said cavity as output laser light.

24. (New) A solid-state laser according to claim 23, wherein said compensating means is a prism.

25. (New) A solid-state laser according to claim 23, wherein said compensating means is a combination of a prism and said second and third concave mirrors.

REMARKS

Examination is requested.

Respectfully submitted,

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